

# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

## 811 Solid Waste Landfill Inspection Checklist

County: St. Clair LPC#: 1630755017 Region: 6 - Collinsville  
 Location/Site Name: Marissa/Cottonwood Hills RDF  
 Date: 05/24/2012 Time: From 9:00am To 10:55am Previous Inspection Date: 01/06/2012  
 Inspector(s): Kendall Couch Weather: Sunny, dry, windy and 75 degrees F.  
 No. of Photos Taken: # 10 Samples Taken: Yes #      No ☒  
 Interviewed: Bill Raynor Facility Phone No.: 618/295-2809

**Permitted Owner Mailing Address**

Waste Management of Illinois Inc.  
 601 Madison Road  
 East St. Louis, Illinois 62201

**Permitted Operator Mailing Address**

Waste Management of Illinois Inc.  
 10400 Hillstown Rd.  
 Marissa, Illinois 62257

**Chief Operator Mailing Address**

Bill Raynor  
 10400 Hillstown Rd.  
 Marissa, Illinois 62257

**Certified Operator Mailing Address**

Bill Raynor  
 601 Madison Rd.  
 East St. Louis, Illinois 62201

**RECEIVED**  
 JUN 27 2012  
**IEPA/BOL**

**AUTHORIZATION:**

Significant Modification Permit

Initial: 1998-110-LF

Latest Mod. 45

Exp Date 07/15/2014

**OPERATIONAL STATUS:**

Operating ☒

Closed-Not Certified. ☐

Closed-Date Certified:

**TYPE OF OPERATION:**

Existing Landfills 814-Subpart C ☐

814-Subpart D ☐

New Landfills: 811-Putres./Chem. ☒

	SECTION	DESCRIPTION	VIOL
<b>ILLINOIS ENVIRONMENTAL PROTECTION ACT REQUIREMENTS</b>			
1.	9(a)	CAUSE, THREATEN OR ALLOW AIR POLLUTION IN ILLINOIS	<input type="checkbox"/>
2.	9(c)	CAUSE OR ALLOW OPEN BURNING	<input type="checkbox"/>
3.	12(a)	CAUSE, THREATEN OR ALLOW WATER POLLUTION IN ILLINOIS	<input type="checkbox"/>
4.	12(d)	CREATE A WATER POLLUTION HAZARD	<input type="checkbox"/>
5.	12(f)	CAUSE, THREATEN OR ALLOW DISCHARGE WITHOUT OR IN VIOLATION OF AN NPDES PERMIT	<input type="checkbox"/>
6.	21(a)	CAUSE OR ALLOW OPEN DUMPING	<input type="checkbox"/>
7.	21(d)	CONDUCT ANY WASTE-STORAGE, WASTE-TREATMENT, OR WASTE- DISPOSAL OPERATION:	
	(1)	Without a Permit or in Violation of Any Conditions of a Permit (See Permit Provisions)	<input type="checkbox"/>
	(2)	In Violation of Any Regulations or Standards Adopted by the Board	<input type="checkbox"/>
8.	21(e)	DISPOSE, TREAT, STORE, OR ABANDON ANY WASTE, OR TRANSPORT ANY WASTE INTO THE STATE AT/TO SITES NOT MEETING REQUIREMENTS OF ACT AND REGULATIONS	<input type="checkbox"/>
9.	21(f)(1)	CONDUCT ANY HAZARDOUS WASTE-STORAGE, TREATMENT OR DISPOSAL OPERATION WITHOUT A RCRA PERMIT. IEPA-DIVISION OF RECORDS MANAGEMENT	<input type="checkbox"/>

RELEASABLE

Revised 10/20/2009

(811 Solid Waste-1)

AUG 15 2012

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<b>10.</b>	<b>21(o)</b>	<b>CONDUCT A SANITARY LANDFILL OPERATION WHICH RESULTS IN ANY OF THE FOLLOWING CONDITIONS:</b>	
	(1)	Refuse in Standing or Flowing Water	<input type="checkbox"/>
	(2)	Leachate Flows Entering Waters of the State	<input type="checkbox"/>
	(3)	Leachate Flows Exiting the Landfill Confines	<input type="checkbox"/>
	(4)	Open Burning of Refuse in Violation of Section 9 of the Act	<input type="checkbox"/>
	(5)	Uncovered Refuse Remaining From Any Previous Operating Day or at the Conclusion of Any Operating Day	<input type="checkbox"/>
	(6)	Failure to Provide Final Cover Within Time Limits	<input type="checkbox"/>
	(7)	Acceptance of Wastes Without Necessary Permits	<input type="checkbox"/>
	(8)	Scavenging as Defined by Board Regulations	<input type="checkbox"/>
	(9)	Deposition of Refuse in Any Unpermitted Portion of the Landfill	<input type="checkbox"/>
	(10)	Acceptance of Special Waste Without a Required Manifest	<input type="checkbox"/>
	(11)	Failure to Submit Reports Required by Permits or Board Regulations	<input type="checkbox"/>
	(12)	Failure to Collect and Contain Litter by the End of each Operating Day	<input type="checkbox"/>
	(13)	Failure to Submit Any Cost Estimate, Performance Bond or Other Security	<input type="checkbox"/>
<b>11.</b>	<b>21(t)</b>	<b>CAUSE OR ALLOW A LATERAL EXPANSION OF A MUNICIPAL SOLID WASTE LANDFILL (MSWLF) UNIT WITHOUT A PERMIT MODIFICATION</b>	<input type="checkbox"/>
<b>12.</b>	<b>21.6(b)</b>	<b>ACCEPTANCE OF LIQUID USED OIL FOR FINAL DISPOSAL (EFFECTIVE JULY 1, 1996)</b>	<input type="checkbox"/>
<b>13.</b>	<b>22.01</b>	<b>FAILURE TO SUBMIT ANNUAL NONHAZARDOUS SPECIAL WASTE</b>	<input type="checkbox"/>
<b>14.</b>	<b>22.17</b>	<b>LANDFILL POST-CLOSURE CARE</b>	
	(a)	Failure to Monitor Gas, Water, Settling	<input type="checkbox"/>
	(b)	Failure to Take Remedial Action	<input type="checkbox"/>
<b>15.</b>	<b>22.22(c)</b>	<b>ACCEPTANCE OF LANDSCAPE WASTE FOR FINAL DISPOSAL</b>	<input type="checkbox"/>
<b>16.</b>	<b>22.23(f)(2)</b>	<b>CAUSE OR ALLOW THE DISPOSAL OF ANY LEAD-ACID BATTERY</b>	<input type="checkbox"/>
<b>17.</b>	<b>22.28(b)</b>	<b>ACCEPTANCE OF WHITE GOODS FOR FINAL DISPOSAL</b>	<input type="checkbox"/>
<b>18.</b>	<b>55(b)(1)</b>	<b>ACCEPTANCE OF ANY USED OR WASTE TIRE FOR FINAL DISPOSAL (UNLESS LANDFILL MEETS EXEMPTION OF 55(b)(1))</b>	<input type="checkbox"/>
<b>19.</b>	<b>55(k)</b>	<b>NO PERSON SHALL:</b>	
	(1)	Cause or Allow Water to Accumulate in Used or Waste Tires	<input type="checkbox"/>
	(4)	Transport Used or Waste Tires in Violation of the Registration and Placarding Requirements	<input type="checkbox"/>
<b>20.</b>	<b>56.1(a)</b>	<b>CAUSE OR ALLOW THE DISPOSAL OF ANY POTENTIALLY INFECTIOUS MEDICAL WASTE</b>	<input type="checkbox"/>
<b>SOLID WASTE SITE OPERATOR CERTIFICATION LAW REQUIREMENTS</b>			
<b>21.</b>	<b>225 ILCS 230/1004</b>	<b>CAUSING OF ALLOWING OPERATION OF A LANDFILL WITHOUT PROPER COMPETENCY CERTIFICATE</b>	<input type="checkbox"/>
<b>35 ILLINOIS ADMINISTRATIVE CODE REQUIREMENTS SUBTITLE G</b>			
<b>PRIOR CONDUCT CERTIFICATION REQUIREMENTS</b>			

22.	745.181	CHIEF OPERATOR REQUIREMENTS	<input type="checkbox"/>
23.	745.201	PRIOR CONDUCT CERTIFICATION PROHIBITIONS	<input type="checkbox"/>
<b>SPECIAL WASTE HAULING REQUIREMENTS</b>			
24.	809.301	REQUIREMENTS FOR DELIVERY OF SPECIAL WASTE TO HAULERS	<input type="checkbox"/>
25.	809.302(a)	REQUIREMENTS FOR ACCEPTANCE OF SPECIAL WASTE FROM HAULERS	<input type="checkbox"/>
26.	809.501	MANIFESTS, RECORDS, ACCESS TO RECORDS, REPORTING REQUIREMENTS AND FORMS	
	(a)	Delivery of Special Waste to Hauler	<input type="checkbox"/>
	(g)	Retention of Special Waste Manifests	<input type="checkbox"/>
<b>NEW SOLID WASTE LANDFILL REQUIREMENTS</b>			
	<b>PART 811 SUBPART</b>	<b>GENERAL STANDARDS FOR ALL LANDFILLS</b>	
27.	811.103	<b>SURFACE WATER DRAINAGE</b>	
	(a)	Runoff from Disturbed Areas	<input type="checkbox"/>
	(b)	Diversion of Runoff from Undisturbed Areas	<input type="checkbox"/>
28.	811.104	<b>SURVEY CONTROL</b>	
	(a)	Boundaries Surveyed and Marked	<input type="checkbox"/>
	(b)	Stakes and Monuments Marked	<input type="checkbox"/>
	(c)	Stakes and Monuments Inspected	<input type="checkbox"/>
	(d)	Control Monument Established and Maintained	<input type="checkbox"/>
29.	811.105	<b>COMPACTION</b>	<input type="checkbox"/>
30.	811.106	<b>DAILY COVER</b>	
	(a)	Six Inches Soil	<input type="checkbox"/>
	(b)	Alternative Daily Cover	<input type="checkbox"/>
31.	811.107	<b>OPERATING STANDARDS</b>	
	(a)	Phasing of Operations	<input type="checkbox"/>
	(b)	Work Face Size and Slope	<input type="checkbox"/>
	(c)	Equipment	<input type="checkbox"/>
	(d)	Utilities	<input type="checkbox"/>
	(e)	Maintenance	<input type="checkbox"/>
	(f)	Open Burning	<input type="checkbox"/>
	(g)	Dust Control	<input type="checkbox"/>
	(h)	Noise Control	<input type="checkbox"/>
	(i)	Vector Control	<input type="checkbox"/>
	(j)	Fire Protection	<input type="checkbox"/>
	(k)	Litter Control	<input type="checkbox"/>
	(l)	Mud Tracking	<input type="checkbox"/>
	(m)	Liquid Restrictions for MSWLF Units	<input type="checkbox"/>
32.	811.108	<b>SALVAGING</b>	

	(a)	Salvaging Interferes with Operation	<input type="checkbox"/>
	(b)	Safe and Sanitary Manner	<input type="checkbox"/>
	(c)	Management of Salvagable Materials	<input type="checkbox"/>
<b>33.</b>	<b>811.109</b>	<b>BOUNDARY CONTROL</b>	
	(a)	Access Restricted	<input type="checkbox"/>
	(b)	Proper Sign Posted	<input type="checkbox"/>
<b>34.</b>	<b>811.110</b>	<b>CLOSURE AND WRITTEN CLOSURE PLAN</b>	
	(a)	Final Slopes and Contours	<input type="checkbox"/>
	(b)	Drainage Ways and Swales	<input type="checkbox"/>
	(c)	Final Configuration	<input type="checkbox"/>
	(d)	Written Closure Plan	<input type="checkbox"/>
	(e)	Initiation of Closure Activities at MSWLF Units	<input type="checkbox"/>
	(f)	Completion of Closure Activities at MSWLF Units	<input type="checkbox"/>
	(g)	Deed Notation for MSWLF Units	<input type="checkbox"/>
<b>35.</b>	<b>811.111</b>	<b>POST-CLOSURE MAINTENANCE</b>	
	(a)	Procedures After Receipt of Final Volume of Waste	<input type="checkbox"/>
	(b)	Remove All Equipment of Structures	<input type="checkbox"/>
	(c)	Maintenance and Inspection of the Final Cover and Vegetation	<input type="checkbox"/>
	(d)	Planned Uses of Property at MSWLF Units	<input type="checkbox"/>
<b>36.</b>	<b>811.112</b>	<b>RECORDKEEPING REQUIREMENTS FOR MSWLF UNITS</b>	
	(a)	Location Restriction Demonstration	<input type="checkbox"/>
	(b)	Load Checking Requirements	<input type="checkbox"/>
	(c)	Gas Monitoring Records	<input type="checkbox"/>
	(d)	MSWLF Liquid Restriction Records	<input type="checkbox"/>
	(e)	Groundwater Monitoring Program Requirements	<input type="checkbox"/>
	(f)	Closure and Post Closure Care Requirements	<input type="checkbox"/>
	(g)	Cost Estimates and Financial Assurance Requirements	<input type="checkbox"/>
	<b>PART 811 SUBPART C</b>	<b>PUTRESCIBLE AND CHEMICAL WASTE LANDFILLS</b>	
<b>37.</b>	<b>811.302</b>	<b>FACILITY LOCATION</b>	
	(c)	Site Screening (Does Not Apply To Part 814-Subpart D Sites)	<input type="checkbox"/>
<b>38.</b>	<b>811.309</b>	<b>LEACHATE TREATMENT AND DISPOSAL SYSTEM</b>	
	(a)	General Requirements	<input type="checkbox"/>
	(c)	Standards for On-Site Treatment and Pretreatment	<input type="checkbox"/>
	(d)	Standards for Leachate Storage System	<input type="checkbox"/>
	(e)	Standards for Discharge to Off-Site Treatment	<input type="checkbox"/>
	(f)	Standards for Leachate Recycling Systems	<input type="checkbox"/>
	(g)	Standards for Leachate Monitoring Systems	<input type="checkbox"/>
<b>39.</b>	<b>811.310</b>	<b>LANDFILL GAS MONITORING (FOR SITES ACCEPTING PUTRESCIBLE WASTE)</b>	
	(b)	Location and Design of Gas Monitoring Wells	<input type="checkbox"/>
	(c)	Monitoring Frequency for Landfill Gas	<input type="checkbox"/>
	(d)	Monitoring Parameters	<input type="checkbox"/>

40.	811.311	<b>LANDFILL GAS MANAGEMENT SYSTEM (FOR CHEMICAL AND PUTRESCIBLE LANDFILLS)</b>	
	(a)	Conditions for Installation of Gas Management System	<input type="checkbox"/>
	(b)	Notification and Implementation Requirements	<input type="checkbox"/>
	(c)	Standards for Gas Venting	<input type="checkbox"/>
	(d)	Standards for Gas Collection	<input type="checkbox"/>
41.	811.312	<b>LANDFILL GAS PROCESS AND DISPOSAL SYSTEM</b>	
	(c)	No Unpermitted Gas Discharge	<input type="checkbox"/>
	(d)	Gas Flow Rate Measurements into Treatment of Combustion Device	<input type="checkbox"/>
	(e)	Standards for Gas Flares	<input type="checkbox"/>
	(f)	Standards for On-Site Combustion of Landfill Gas Using Devices Other Than Flares	<input type="checkbox"/>
	(g)	Gas Transported Off-Site	<input type="checkbox"/>
42.	811.313	<b>INTERMEDIATE COVER</b>	
	(a)	Requirements for the Application for Intermediate Cover	<input type="checkbox"/>
	(b)	Runoff and Infiltration Control	<input type="checkbox"/>
	(c)	Maintenance of Intermediate Cover	<input type="checkbox"/>
43.	811.314	<b>FINAL COVER SYSTEM (DOES NOT APPLY TO PART 814 SITES THAT HAVE CLOSED, COVERED AND VEGETATED PRIOR TO SEPTEMBER 18, 1990)</b>	
	(a)	General Requirements	<input type="checkbox"/>
	(b)	Standards for Low Permeability Layer	<input type="checkbox"/>
	(c)	Standards for Final Protective Layer	<input type="checkbox"/>
44.	811.316	<b>PLUGGING AND SEALING OF DRILL HOLES</b>	
45.	811.321	<b>WASTE PLACEMENT</b>	
	(a)	Phasing of Operations	<input type="checkbox"/>
	(b)	Initial Waste Placement	<input type="checkbox"/>
46.	811.322	<b>FINAL SLOPE AND STABILIZATION</b>	
	(a)	Grade Capable of Supporting Vegetation and Minimizing Erosion	<input type="checkbox"/>
	(b)	Slopes Required to Drain	<input type="checkbox"/>
	(c)	Vegetation	<input type="checkbox"/>
	(d)	Structures Built over the Unit	<input type="checkbox"/>
47.	811.323	<b>LOAD CHECKING PROGRAM</b>	
	(a)	Load Checking Program Implemented	<input type="checkbox"/>
	(b)	Load Checking Program for PCB's at MSWLF Units	<input type="checkbox"/>
	(c)	Load Checking Program Components	<input type="checkbox"/>
	(d)	Handling Regulated Hazardous Wastes	<input type="checkbox"/>
	<b>PART 811 SUBPART D</b>	<b>MANAGEMENT OF SPECIAL WASTES AT LANDFILLS</b>	
48.	811.402	<b>NOTICE TO GENERATORS AND TRANSPORTERS</b>	<input type="checkbox"/>
49.	811.403	<b>SPECIAL WASTE MANIFESTS REQUIREMENTS</b>	<input type="checkbox"/>
50.	811.404	<b>IDENTIFICATION RECORD</b>	

	(a)	Special Waste Profile Identification Sheet	<input type="checkbox"/>
	(b)	Special Waste Recertification	<input type="checkbox"/>
51.	811.405	RECORDKEEPING REQUIREMENTS	<input type="checkbox"/>
52.	811.406	PROCEDURES FOR EXCLUDING REGULATED HAZARDOUS WASTES	<input type="checkbox"/>
	<b>PART 811 SUBPART G</b>	<b>FINANCIAL ASSURANCE</b>	
53.	811.700	COMPLY WITH FINANCIAL ASSURANCE REQUIREMENTS OF PART 811, SUBPART G	<input type="checkbox"/>
54.	811.701	UPGRADING FINANCIAL ASSURANCE	<input type="checkbox"/>
55.	811.704	CLOSURE AND POST-CLOSURE CARE COST ESTIMATES	<input type="checkbox"/>
56.	811.705	REVISION OF COST ESTIMATE	<input type="checkbox"/>
<b>SOLID WASTE FEE SYSTEM REQUIREMENTS</b>			
57.	Part 858 Subpart B	MAINTAINED, RETAINED & SUBMITTED DAILY & MONTHLY SOLID WASTE RECORDS AND QUARTERLY SOLID WASTE SUMMARIES WHERE INCOMING WASTE IS WEIGHED (LIST SPECIFIC SECTION	<input type="checkbox"/>
58.	Part 858 Subpart C	MAINTAINED, RETAINED & SUBMITTED DAILY & MONTHLY SOLID WASTE RECORDS AND QUARTERLY SOLID WASTE SUMMARIES WHERE INCOMING WASTE IS NOT WEIGHED (LIST SPECIFIC	<input type="checkbox"/>
<b>OTHER REQUIREMENTS</b>			
59.	OTHER:	APPARENT VIOLATION OF: <input type="checkbox"/> PCB; <input type="checkbox"/> CIRCUIT COURT CASE NUMBER: ORDER ENTERED ON:	<input type="checkbox"/>
60.			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Informational Notes

1. [Illinois] Environmental Protection Act: 415 ILCS 5/4.
2. Illinois Pollution Control Board: 35 Ill. Adm. Code, Subtitle G.
3. Statutory and regulatory references herein are provided for convenience only and should not be construed as legal conclusions of the Agency or as limiting the Agency's statutory or regulatory powers. Requirements of some statutes and regulations cited are in summary format. Full text of requirements can be found in references listed in 1. and 2. above.
4. The provisions of subsection (o) of Section 21 and subsection (k) of Section 55 of the [Illinois] Environmental Protection Act shall be enforceable either by administrative citation under Section 31.1 of the Act or by complaint under Section 31 of the Act.
5. This inspection was conducted in accordance with Sections 4(c) and 4(d) of the [Illinois] Environmental Protection Act: 415 ILCS 5/4(c) and (d).
6. Items marked with an "NE" were not evaluated at the time of this inspection.

**LPC #: 1630755017**  
**Inspection Date: 05/24/2012**

[illegible]

LPC#-1630755017-St. Clair County  
Marissa/Cottonwood Hills RDF  
Inspectors: Kendall Couch  
Page #1

RECEIVED

JUN 27 2012

Narrative

IEPA/BOL

General Remarks

On May 24, 2012, I went to Marissa, Illinois to perform an inspection at this site. This site is an IEPA permitted landfill operating under permit number 1998-110-LF Mod. #45. The weather was sunny, dry, windy and 75° Fahrenheit when I arrived at 9:00am. The hours of operation for this facility are 4:00am to 4:00pm Monday through Friday.

Inspection

As I arrived at this facility I took a picture (#1) of the entrance sign. Several signs are at the entrance and scalehouse. These signs appear to adequately comply with applicable regulations. The roads entering this facility appeared relatively clean and free of tracking mud. I then met with Lesley Foertsch, Scalehouse Manager for Waste Management. Ms. Foertsch estimated an average of 2100 to 2200 tons of incoming waste per day. Ms. Foertsch radioed Bill Raynor, Certified Operator of this site. Mr. Raynor subsequently arrived at the scalehouse and we began this inspection by driving to the active face located in the new cell, Phase III Northeast. I took four pictures (#2-5) of the active face. The new cell was comprised of two levels with the upper level approximately 10 to 15 feet below the top of the cell liner. Picture #2 depicts the waste level on the northeast end of the new cell.

The lower level contained the tipper and active area. Active area was approximately 1000 square yards in size. I watched as several trucks dumped their load and inspected the active face from the upper portion of this area. No unpermitted waste was observed except for several tires already removed from the waste and staged for removal. The trash trucks observed were tarped as required. The equipment on site was an 836 Caterpillar Compactor, 700 Caterpillar Dozer and other heavy equipment performing excavation work for future adjacent cell development. The active face personnel were Joe Jabron, Mike Burrus and Kerry Daugherty. Some litter was observed on the southern sideslope of Phase III Northwest. Two litter pickers were on-site during this inspection containing this blown litter. A water truck was also operational to control fugitive dust.

After inspecting the active area we drove around the landfill and observed the northeastern and western side slopes. Some repair work had been done towards the northern portion of the landfill and final cover work continued on the southeast sideslope. Five acres of final cover will be completed within the near future. Hurst-Rosche was at this facility performing survey work for the final cover and checking the monuments for visual capability.

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Mr. Raynor stated that the gas well system appears to be working properly. I asked Mr. Raynor about the down time for the gas flare in November 2011 that was documented in Cottonwood Hill's annual report. The flare was down for a total of 95.3 hours in November. Mr. Raynor believes that electrical spikes from the new Prairie State Power Plant during start-up operations caused the flare to go out. Mr. Raynor went on to say that the flare had been working normally since November 2011.

Three dumpsters were observed within the citizen's drop-off area as well as a recycling dumpster for recyclable materials. This area appeared clean and rock crushing operations had recently started back up as excavation work has generated new aggregate material for road base. It appears that the leachate pump stations are keeping the leachate liner levels within regulatory limits. Leachate sump, L302, was in the range the range of 18-23 inches. During our time on the southern end of the landfill we met Rick Schmidt of TekLab. Mr. Schmidt was sampling ground water well R311 for pesticide analysis. Mr. Schmidt stated that the GW wells appeared to be in good working order. Mr. Raynor stated that the solidification unit was back at Milam Landfill. It appears that Milam Landfill solidified as much waste as their permit allowed and the unit was brought to Cottonwood Hills in November 2011 until February 2012 to continue the solidification of liquid waste.

We then went to Mr. Raynor's office and service garage where I observed several methane monitors along with a number of fire extinguishers with unexpired tags. The tire dumpster was empty and covered as required. A used oil tank was also observed and properly labeled. Before leaving this landfill, I stopped just outside the gate to see if odors were leaving the landfill property. No odors were encountered at this location or on my way into Marissa. I went to the Marissa WWTP to ask if any odor complaints had been received. No one was present and I subsequently returned to the IEPA Collinsville Regional Office.

On June 6, 2012, I returned to this site to review required documentation of the day to day operations at this facility. The weekly load checking documentation appeared to be in order except for a few instances where the driver of the vehicle did not print his or her name. I instructed Mr. Raynor to fill out the waste checking logs completely as required. Mr. Raynor assured me that he would have his active face crew complete the logs sheets completely in the future. The ADC log documented the used of tarps and soil used for daily cover. The daily operating record documented the placement of deodorizers at the WWTP to help with leachate odors leaving the WWTP grounds. A leachate sump pumped had been replaced at the L302 pumping station. Mr. Raynor explained that the new leachate pump quality control measures had been working well and this pump was replaced within several days. Back-up pumps have been placed at this facility for future break downs.

I reviewed the solidification documentation. It appears that all the liquid waste brought into this facility was profiled into the landfill through Waste Management's special waste unit located at the Milam Landfill and or Wisconsin. It appears the main waste streams solidified at this facility were components of Dial Soap and oily water from Illini Environmental of Caseyville, Illinois. It appears that the absorbent used at this facility was soil or flyash. I also reviewed several special waste stream profile documentation.

On June 7<sup>th</sup> and 21<sup>st</sup>, 2012, I returned to this site to double check several solidification and special waste records due to questions generated during the documentation review on June 6<sup>th</sup>. Manifest documenting the solidification waste streams and Illinois MPP metal Hydroxide Sludge were reviewed. After this review, it appears that the documentation complies with the applicable regulations. No violations will be noted.

cc: DLPC/FOS –Collinsville Regional

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
SITE SKETCH

**Date of Inspection:** May 24, 2012  
**BOL ID No.:** 1630755017  
**Site Name:** Cottonwood Hills RDF

**Inspector:** Kendall Couch  
**County:** St. Clair  
**Time:** 9:00am-10:55am

Measurements Approximate

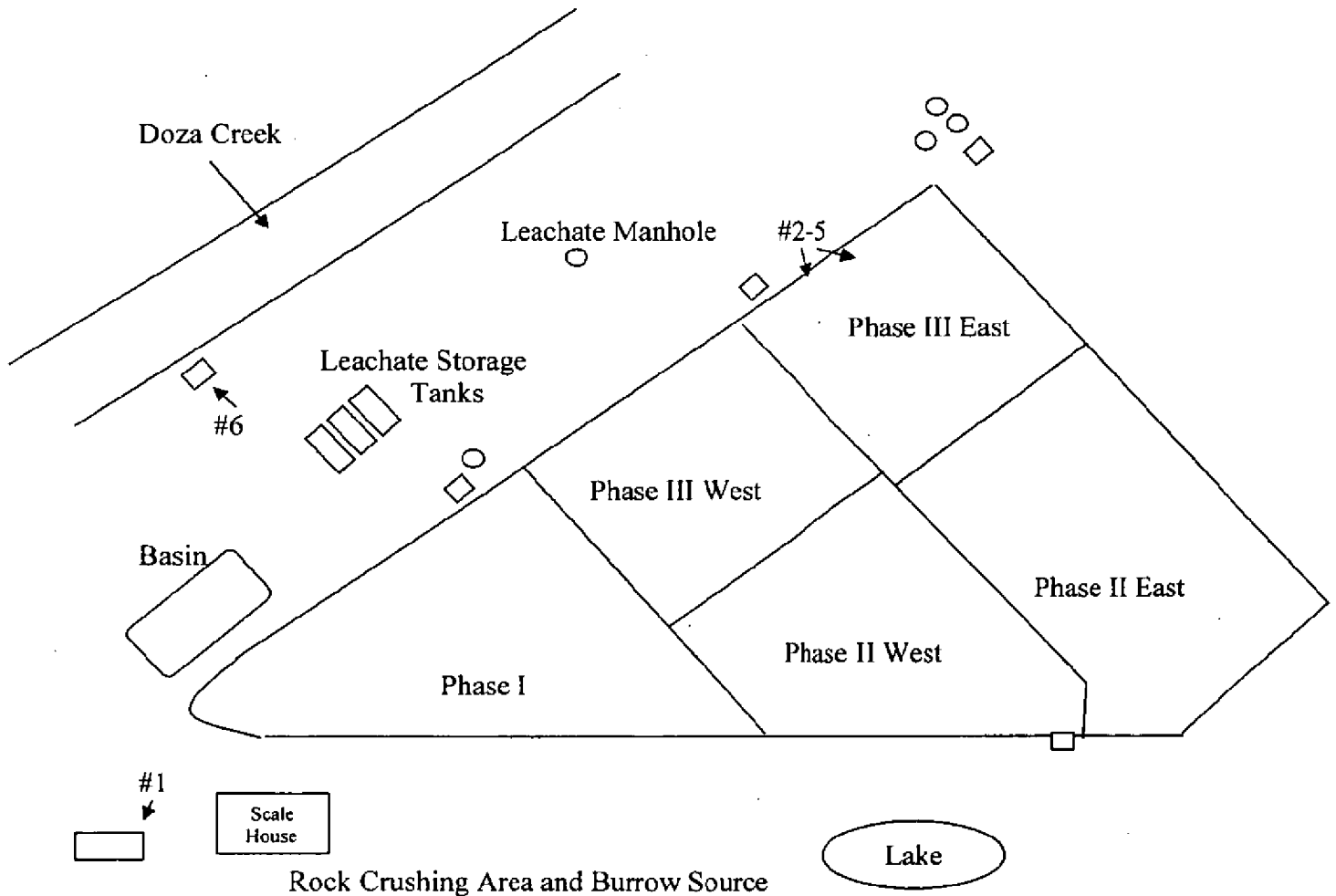
Not To Scale

North ←

Direction of Photo ↙

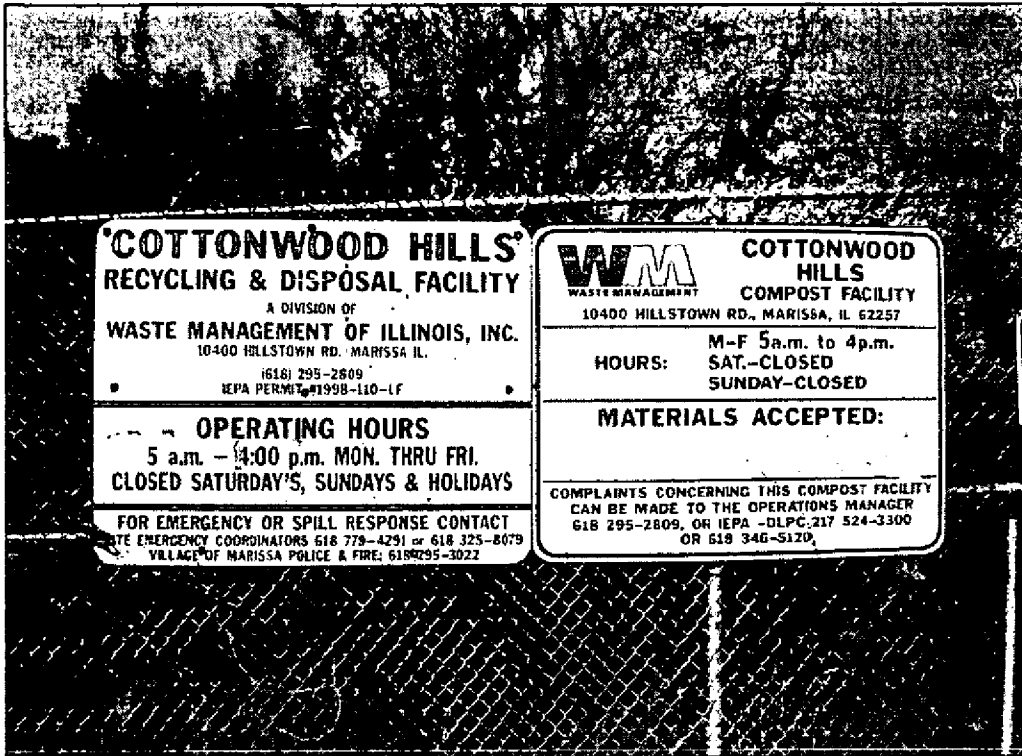
- Leachate Level Control Panel
- Leachate Manhole

PICTURES #7-10 Taken at Garage (Not Shown)





DIGITAL PHOTOGRAPHS File Names: 1630755017-05242012-[Exp. #1-2].jpg



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction: West  
Photo by: K. Couch  
Exposure #: 001  
Comments: Entrance  
Sign.

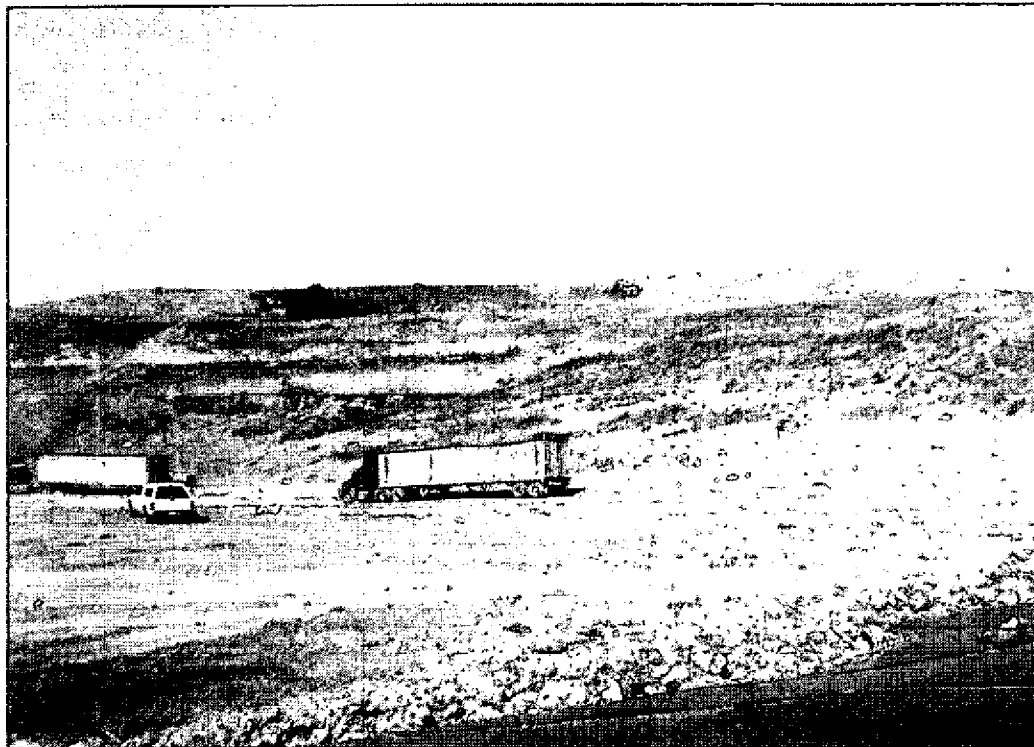


Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction: Northeast  
Photo by: K. Couch  
Exposure #: 002  
Comments: Top of New  
Cell.



## DIGITAL PHOTOGRAPHS

File Names: 1630755017 -05242012-[Exp. #3-4].jpg



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction: West  
Photo by: K. Couch  
Exposure #: 003  
Comments: East Slope  
of Phase 3NW.



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction: Southwest  
Photo by: K. Couch  
Exposure #: 004  
Comments: Active Face  
in Southwestern Part of  
Phase 3NE.



**DIGITAL PHOTOGRAPHS** File Names: 1630755017 -05242012-[Exp. #5-6].jpg



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction: South  
Photo by: K. Couch  
Exposure #: 005  
Comments: Active  
Face.

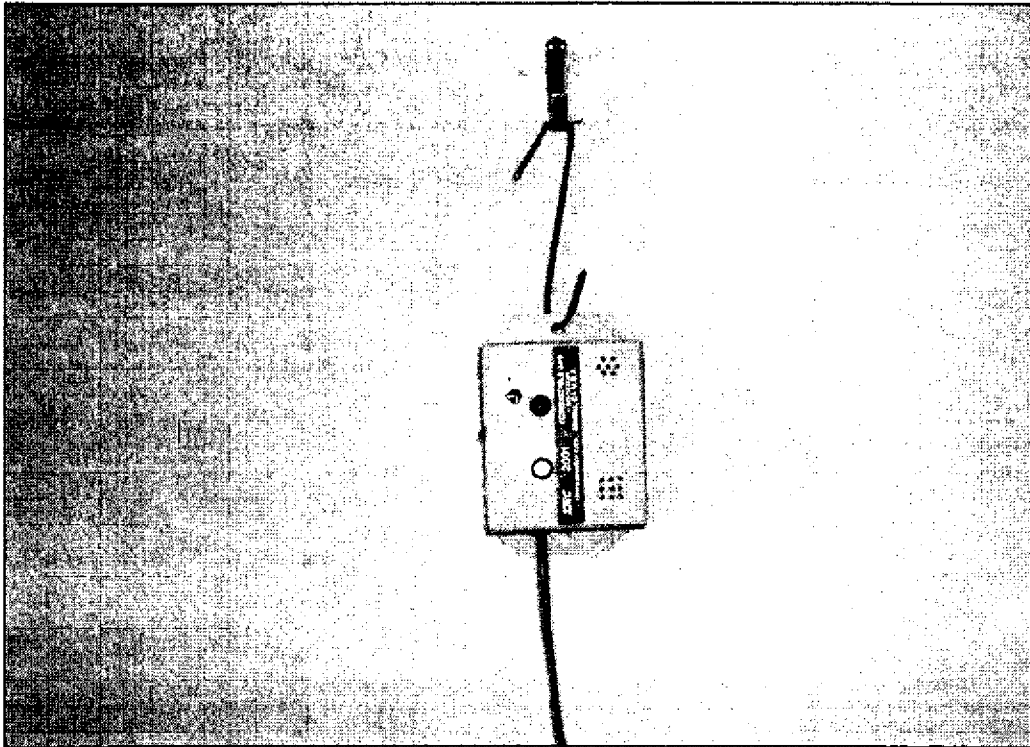


Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction: Down  
Photo by: K. Couch  
Exposure #: 006  
Comments: Property  
Survey Marker.



# DIGITAL PHOTOGRAPHS

File Names: 1630755017-05242012-[Exp. #7-8].jpg



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction:  
Photo by: K. Couch  
Exposure #: 007  
Comments: Methane  
Gas Monitor.



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction:  
Photo by: K. Couch  
Exposure #: 008  
Comments: Fire  
Extinguisher.

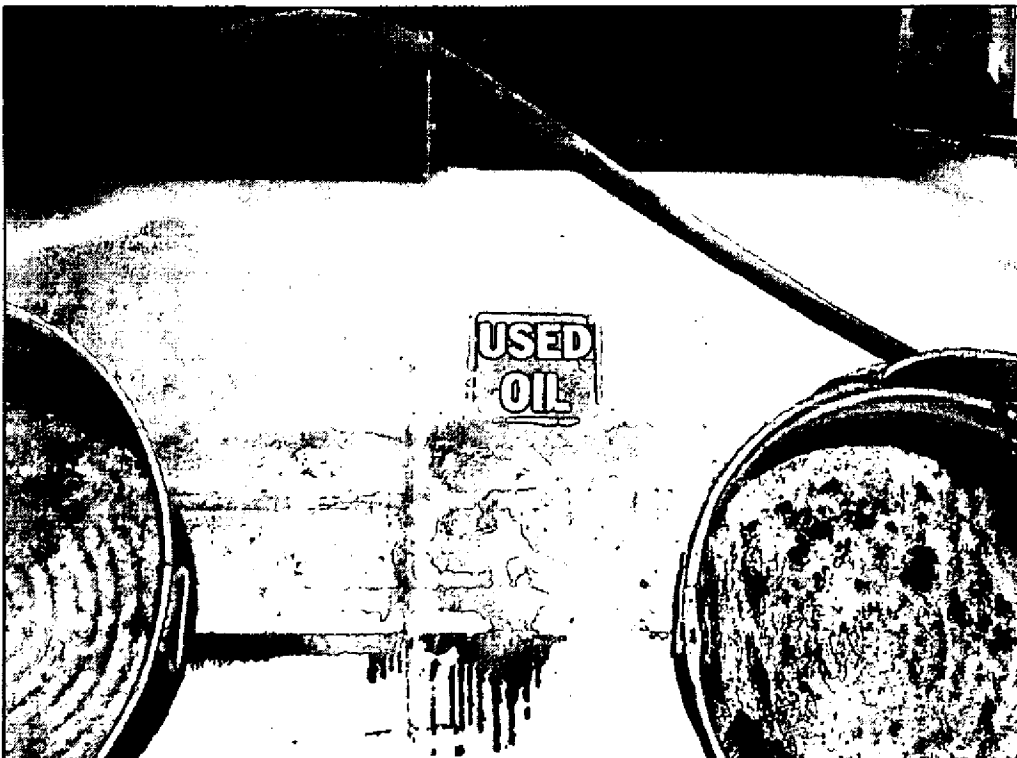


## DIGITAL PHOTOGRAPHS

File Names: 1630755017~05242012-[Exp. #9-10].jpg



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction: West  
Photo by: K. Couch  
Exposure #: 009  
Comments: Dust  
Suppression Activity.



Date: 05/24/2012  
Time: 9:00am-10:55am  
Direction:  
Photo by: K. Couch  
Exposure #: 010  
Comments: Used Oil  
Reservoir.

# SOLIDIFICATION INFORMATION

DATE	PROFILE#	MANIFEST	WASTE NAME	GALLONS	GENERATOR NAME, ADDRESS, CITY, STATE, ZIP	HAULER & ID	GENERATOR ID	REAGNET OR ABSORBENT	PA PAI FILT
1/3/2012	IF1002105S	8853076	SURFACTANT	3000	DIAL CORPORATION 6201 McKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/3/2012	108438IL	9150243	OILY WATER	5000	ILLINI ENVIRONMENTAL 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/3/2012	108438IL	9150209	OILY WATER	2775	ILLINI ENVIRONMENTAL 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/3/2012	108438IL	9150208	OILY WATER	2800	ILLINI ENVIRONMENTAL 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/3/2012	108438IL	9150251	OILY WATER	5000	ILLINI ENVIRONMENTAL 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/4/2012	IF1002105S	8853077	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/4/2012	111531IL	8853035	SOAP	3000	DIAL CORPORATION 6901 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/4/2012	108438IL	9150211	OILY WATER	4375	ILLINI ENVIRONMENTAL 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/5/2012	IF1002105S	8853084	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/5/2012	108438IL	9150250	OILY WATER	2750	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/5/2012	108438IL	9150212	OILY WATER	2800	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/5/2012	111531IL	8853037	SOAP	3000	DIAL CORPORATION 6901 MCKISSOCK	IPS 5108	9290019999	FLY ASH	YES

WM03245

					ST LOUIS, MO 63147	1630755017			
1/5/2012	109282IL	7119324	OIL WATER EMULSION	4605	THE KIESEL COMPANY #1 BRANCH ST. ST LOUIS, MO 63147	THE KIESEL CO. UMPQ7715IL	9291897488	FLY ASH	YES
1/5/2012	111531IL	8853036	SOAP	3000	DIAL CORPORATION 6901 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/5/2012	108438IL	9150242	OILY WATER	2825	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/5/2012	108438IL	9150245	OILY WATER	2800	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/5/2012	108438IL	9150244	OILY WATER	2900	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/5/2012	109282IL	7119325	OIL WATER EMULSION	4559	THE KIESEL COMPANY #1 BRANCH ST. ST. LOUIS, MO 63147	THE KIESEL CO. UMPQ7715IL	9291897488	FLY ASH	YES
1/6/2012	111531IL	8853001	SOAP	3000	DIAL CORPORATION 6901 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/6/2012	108438IL	9150246	OILY WATER	2800	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/9/2012	108438IL	9150327	OILY WATER	2875	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/9/2012	108438IL	9150326	OILY WATER	2700	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/10/2012	108438IL	9150330	OILY WATER	2850	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/10/2012	IF1002105S	8853078	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/10/2012	108438IL	9150210	OILY WATER	3597	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES

1/10/2012	108438IL	9150328	OILY WATER	2850	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/11/2012	111531IL	8853002	SOAP	3000	DIAL CORPORATION 6901 McKISSOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/11/2012	108438IL	9150247	OILY WATER	2520	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107085	FLY ASH	YES
1/12/2012	108143IL	8853016	TINOPAL UNPA SLURY	3000	DIAL CORPORATION 6901 McKISSOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/12/2012	111531IL	8853012	SOAP	3000	DIAL CORPORATION 6901 McKISSOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/12/2012	108438IL	9150248	OILY WATER	2750	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/12/2012	109282IL	7059468	OIL WATER	4346	THE KIESEL COMPANY #1 BRANCH ST ST. LOUIS, MO 63147	THE KIESEL CO UMP07715-IL	9291897488	FLY ASH	YES
1/12/2012	108438IL	9150101	OILY WATER	5000	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/12/2012	108438IL	9150331	OILY WATER	2750	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/12/2012	108438IL	9150332	OILY WATER	4816	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/13/2012	IF1002105S	8853079	SURFACTANT	3000	DIAL CORPORATION 6201 McKISSOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/13/2012	108438IL	9150329	OILY WATER	2800	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI ENFIVORNMENTAL UPW103665-IL	ILR000107086	FLY ASH	YES
1/13/2012	if1002105s	8853080	surfactant	3000	DIAL CORPORATION 6201 McKISSOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/13/2012	QM8800180	3466073	CAR WASH SLUDG	250	UPS	EVAC	31559	FLY ASH	YES

					117 LARCEL SIKESTON, MO 63801	MPR000007765			
1/13/2012	QM8800180	3466072	CAR WASH SLUDG	125	UPS 1004 S BROADWAY POPOLAR BLUFF, MO 63901	EVAC MOR000007815	15658	FLY ASH	YES
1/13/2012	QM8800180	3466075	CAR WASH SLUDG	100	3390 CO RD 361 PALMAZRA, MO 63461	EVAC MOR000007690	15657	FLY ASH	YES
1/13/2012	QM8800180	3466076	CAR WASH SLUDG	100	1411 BUS HWY 54 BOWLING GREEN, MO 63334	EVAC MOR000007682	15650	FLY ASH	YES
1/13/2012	QM8800180	3466071	CAR WASH SLUDG	50	UPS 101 GETTING LOVE HAYDIG, MO 63851	EVAC MOR000007864	15653	FLY ASH	YES
1/13/2012	QM8800180	8808785	CAR WASH SLUDG	250	UPS 3425 WILLOW RD SCOTT CITY, MO 63780	EVAC MOR000007724	15652	FLY ASH	YES
1/13/2012	QM8800180	8808786	CAR WASH SLUDG	225	UPS 60 INDUSTRIAL DR FARMINGTON, MO 63640	EVAC MOR000007872	15662	FLY ASH	YES
1/13/2012	QM8800180	3466074	CAR WASH SLUDG	225	UPS 20 GOODWING CRYSTAL CITY, FESTUS, MO 63028	EVAC MOD985798651	4966	FLY ASH	YES
1/16/2012	108438IL	9150303	OILY WATER	2800	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW10365-IL	ILR000107086	FLY ASH	YES
1/16/2012	IF1002105S	8853081	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/16/2012	108438IL	9150305	OILY WATER	3705	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW10365-IL	ILR000107086	FLY ASH	YES
1/16/2012	108438IL	9150304	OILY WATER	2750	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW10365-IL	ILR000107086	FLY ASH	YES
1/16/2012	IF1002105S	8853082	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/16/2012	108438IL	9150140	OILY WATER	5000	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE	ILLINI UPW10365-IL	ILR000107086	FLY ASH	YES

1/16/2012	108438IL	9150139	OILY WATER	2800	CASEYVILLE, IL 62232 ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW10365-IL	ILR000107086	FLY ASH	YES
1/17/2012	IF1002105S	8853083	SURFACTANT	3000	DIAL CORPORATION 6201 McKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/17/2012	IF1002105S	8853085	SURFACTANT	3000	DIAL CORPORATION 6201 McKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/17/2012	111531IL	8853011	SOAP	3000	DIAL CORPORATION 6901 McKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/18/2012	108143IL	8853086	SURFACTANT	1500	DIAL CORPORATION 6201 McKISSOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/18/2012	111531IL	8853010	SOAP	3000	DIAL CORPORATION 6901 McKISSOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/18/2012	108438IL	9150141	OILY WATER	2900	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI ENVIRONMENTAL UPW103665-IL	ILR000107086	FLY ASH	YES
1/19/2012	108438IL	9150143	OILY WATER	3000	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/19/2012	108438IL	9150145	OILY WATER	4525	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/19/2012	108438IL	9150144	OIL WATER	2950	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/19/2012	108438IL	9150142	OILY WATER	2600	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/19/2012	108438IL	9150103	OILY WATER	4550	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES
1/19/2012	108438IL	9150000	OILY WATER	2780	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR00107086	FLY ASH	YES

1/20/2012	IF1002105S	8853087	SURFACTANT	3000	DIAL CORPORATION 6201 McKISOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/20/2012	111531IL	8853009	SOAP	3000	DIAL CORPORATION 6901 McKISOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/20/2012	108438IL	9150018	OILY WATER	4375	ILLINI ENVIRONMENTAL INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/20/2012	109282IL	7119330	OIL WATER EMULSION	4449	THE KIESEL COMPANY #1 BRANCH ST ST. LOUIS, MO 63147	THE KIESEL CO UMP07715-IL	9291897488	FLY ASH	YES
1/20/2012	108438IL	9150009	OILY WATER	4400	ILLINI ENVIRONMENTAL INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/23/2012	108438IL	9150008	OILY WATER	2800	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/23/2012	108438IL	9150005	OILY WATER	4297	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/23/2012	108438IL	9150007	OILY WATER	2800	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/23/2012	111531IL	8853003	SOAP	3000	DIAL CORPORATION 6901 McKISOCK ST. LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/23/2012	108438IL	9150004	OILY WATER	2850	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIA DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/24/2012	IF1002105S	8853088	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/24/2012	108438IL	9150006	OILY WATER	2875	ILLINI ENVIRONMENTAL, INC 8895 CALIFORNIE DRIVE CASEYVILLE, IL 62232	ILLINI UPW103665-IL	ILR000107086	FLY ASH	YES
1/24/2012	111666IL	3552913	SEPARATOR SLUDGE	4040	METRO/ED KRAMER 707 NO FIRST ST ST LOUIS, MO 63102	HERITAGE UPW0314460-4	1630455221	FLY ASH	YES
1/24/2012	108438IL	9150003	OILY WATER	2750	ILLINI ENVIRONMENTAL, INC	ILLINI	ILR000107086	FLY ASH	YES

					8895 CALIFORNIE DRIVE CASEYVILLE, IL 62232	UPW103665-IL			
1/24/2012	IF1002105S	885308	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/25/2012	111531IL	8853004	SOAP	3000	DIAL CORPORATION 6901 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/25/2012	if1002105s	8853090	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/25/2012	111666IL	3552926	SEPARATOR SLUDGE	4040	METRO/ED KRAMER 707 N FIRST ST ST LOUIS, MO 63102	HERITAGE UPW-0314460-OH	1630455221	FLY ASH	YES
1/25/2012	111531il	853005	SOAP	3000	DIAL CORPORATION 6901 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/25/2012	IF1002105S	8853099	SURFACTANT	3000	DIAL CORPORATION 6201 MCKISSOCK ST LOUIS, MO 63147	IPS 5108	9290019999	FLY ASH	YES
1/30/2012	109282il	7119336	OIL WATER EMULSION	4421	THE KIESEL COMPANY #1 BRANCH ST ST. LOUIS, MO 63147	THE KIESEL CO UMP07715-IL	9291897488	FLY ASH	YES
1/30/2012	109282il	7119337	OIL WATER EMULSION	4749	THE KIESEL COMPANY #1 BRANCH ST ST. LOUIS, MO 63147	THE KIESEL CO UMP07715-IL	9291897488	FLY ASH	YES

# SOLIDIFICATION INFORMATION

DATE	PROFILE#	MANIFEST	WASTE NAME	GALLONS	GENERATOR NAME, ADDRESS, CITY, STATE, ZIP	HAULER & ID	GENERATOR ID	REAGNET OR ABSORBENT	PA PAI FILT
2/2/2012	109282IL	7119349	OIL WATER EMULSION	4313	THE KIESEL COMPANY #1 BRANCH ST ST LOUIS, MO 63147	THE KIESEL CO. UMP07715-IL	9291897488	FLY ASH	YES
2/3/2012	109282IL	7119350	OIL WATER EMULSION	4472	THE KIESEL COMPANY #1 BRANCH ST ST LOUIS, MO 63147	THE KIESEL CO. UMP07715-IL	9291897488	FLY ASH	YES
2/7/2012	109282IL	7119357	OILY WATER EMULSION	4497	THE KIESEL COMPANY #1 BRANCH ST ST LOUIS, MO 63147	THE KIESEL CO. UMP07715-IL	9291897488	FLY ASH	YES
2/8/2012	109282IL	7119356	OIL WATER EMULSION	4546	THE KIESEL COMPANY #1 BRANCH ST ST LOUIS, MO 63147	THE KIESEL CO. UMP07715-IL	9291897488	FLY ASH	YES

Please print or type. (Form designed for use on elite (12-pitch typewriter).)

1. Generator ID Number ILR000080290		2. Page 1 of 1		3. Emergency Response Phone NEAEC SOLUTIONS 1-855-629-3648		4. Manifest Tracking number <b>060420B</b>	
5. Generator's Name and Mailing Address MEE CORPORATION 1135 NORTH MAPLE DU QUOIN, IL 62832				Generator's Site Address (if different than mailing address) MEE CORPORATION 1135 INDUSTRIAL PARK BLVD DU QUOIN, IL 62832			
Generator's Phone (815) 241-7837 ATTN: JOSEPH MEZO							
6. Transporter 1 Company Name WASTE MANAGEMENT				U.S. EPA ID Number CH000000000000			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address COTTONWOOD HILLS RDF 10400 HILLSTOWN ROAD B MARISSA, IL 62257				U.S. EPA ID Number QM88002269			
Facility's Phone:							
9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))				10. Containers		11. Total	12. Unit
				No.	Type	Quantity	Wt./Vol.
1. NON DOT REGULATED MATERIAL, 169-5539 FILTER SLUDGE, 1695539					CM	20	YD
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgement of Consent.							
Generator's/Offeror's Printed/Typed Name <b>Joe Wickwire</b>				Signature <i>Joe Wickwire</i>		Month Day Year <b>06 04 12</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.				Port of entry/exit: Date leaving U.S.:			
Transporter signature (for exports only)							
17. Transporter Acknowledgement of Receipt of Materials							
Transporter 1 Printed/Typed Name <b>Don Diemer</b>				Signature <i>Don Diemer</i>		Month Day Year <b>6 4 12</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)				U.S. EPA ID Number			
Facility's Phone							
18c. Signature of Alternate Facility (or Generator)				Month Day Year			
19. (Management Method Codes)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 18a							
Printed/Typed Name <b>Heather M. A.</b>				Signature <i>Heather M. A.</i>		Month Day Year <b>06 04 12</b>	

ESNHW1 (8/06)

WM03253

## Couch, Kendall

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**From:** Dennison, Denny <ddenniso@wm.com>  
**Sent:** Thursday, June 14, 2012 10:35 PM  
**To:** Couch, Kendall  
**Subject:** RE: Cottonwood Hills

Yes the isopach contours do make the elevation contours somewhat cluttered ... It looks like the typical plateau elevation was approx 520 ft msl and the peak was approx 530 ft msl as of the end of March (when the survey performed) ... we will be surveying again at end of June

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**From:** Couch, Kendall [mailto:Kendall.Couch@Illinois.gov]  
**Sent:** Thursday, June 14, 2012 4:20 PM  
**To:** Dennison, Denny  
**Subject:** RE: Cottonwood Hills

Tried to figure out an approximate elevation for the top of the landfill from the volume calculation diagram, but couldn't do it. Could you rap with James and give me an approximate elevation for the highest point on the landfill? Thanks

---

**From:** Dennison, Denny [mailto:ddenniso@wm.com]  
**Sent:** Thursday, June 14, 2012 3:55 PM  
**To:** Couch, Kendall  
**Cc:** Durako, Joe; Raynor, Bill  
**Subject:** RE: Cottonwood Hills

We survey the landfill every quarter at the end of the month .... ie March 31, June 30 , etc .... They may have been performing the annual survey monument check as required per the regs or possibly were staking out the final cover limits to be constructed this year .... I have attached the March 30 survey surface (shows elevations) and the annual inspection letter

---

**From:** Couch, Kendall [mailto:Kendall.Couch@Illinois.gov]  
**Sent:** Thursday, June 14, 2012 2:26 PM  
**To:** Dennison, Denny  
**Subject:** Cottonwood Hills

Denny

I'm writing up the inspection report for my May 24 inspection. I think Hurst-Rosche was out at the landfill performing a survey a day or two prior. Could you find out what the elevation for the landfill was on that day or latest elevation recorded by Hurst-Rosche?

Thanks  
Kendall

### Kendall Couch

Illinois Environmental Protection Agency  
Bureau of Land  
2009 Mall Street  
Collinsville, Illinois 62234  
Phone: 618/346-5141 FAX: 618/346-5155  
[kendall.couch@illinois.gov](mailto:kendall.couch@illinois.gov)  
Website: [Click Here](#)

## Couch, Kendall

---

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**Sent:** Thursday, June 14, 2012 3:55 PM  
**To:** Couch, Kendall  
**Cc:** Durako, Joe; Raynor, Bill  
**Subject:** RE: Cottonwood Hills  
**Attachments:** Cottonwood Quarterly Volume Calcs 2012 1Q.pdf; Survey Control Monuments 2012 05-25-12 Cottonwood.pdf

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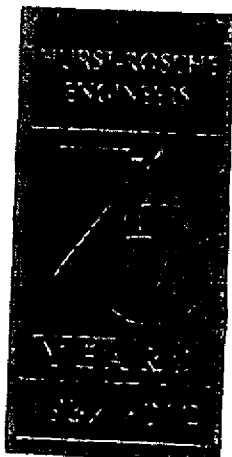
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Email: [esl@hurst-rosche.com](mailto:esl@hurst-rosche.com)  
[www.hurst-rosche.com](http://www.hurst-rosche.com)



Hillsboro, Illinois  
Marion, Illinois  
Springfield, Illinois  
Barnhart, Missouri  
Neosho, Missouri

May 25, 2012

Mr. Ernest H. Dennison, P.E.  
Waste Management of Illinois  
601 Madison Road  
East St. Louis, Illinois 62201

SUBJECT: Control Survey Check  
Cottonwood Hills Recycling & Disposal Facility  
Waste Management of Illinois

Dear Mr. Dennison:

As requested, we have inspected the survey control and monuments at the Cottonwood Hills Recycling and Disposal Facility. The inspection was conducted on May 21, 2012. In our opinion the monuments and their identifying signs are in good condition and in sufficient number to maintain the horizontal and vertical control system at the facility.

If you should have any questions or require additional information, please feel free to contact our office.

Sincerely,

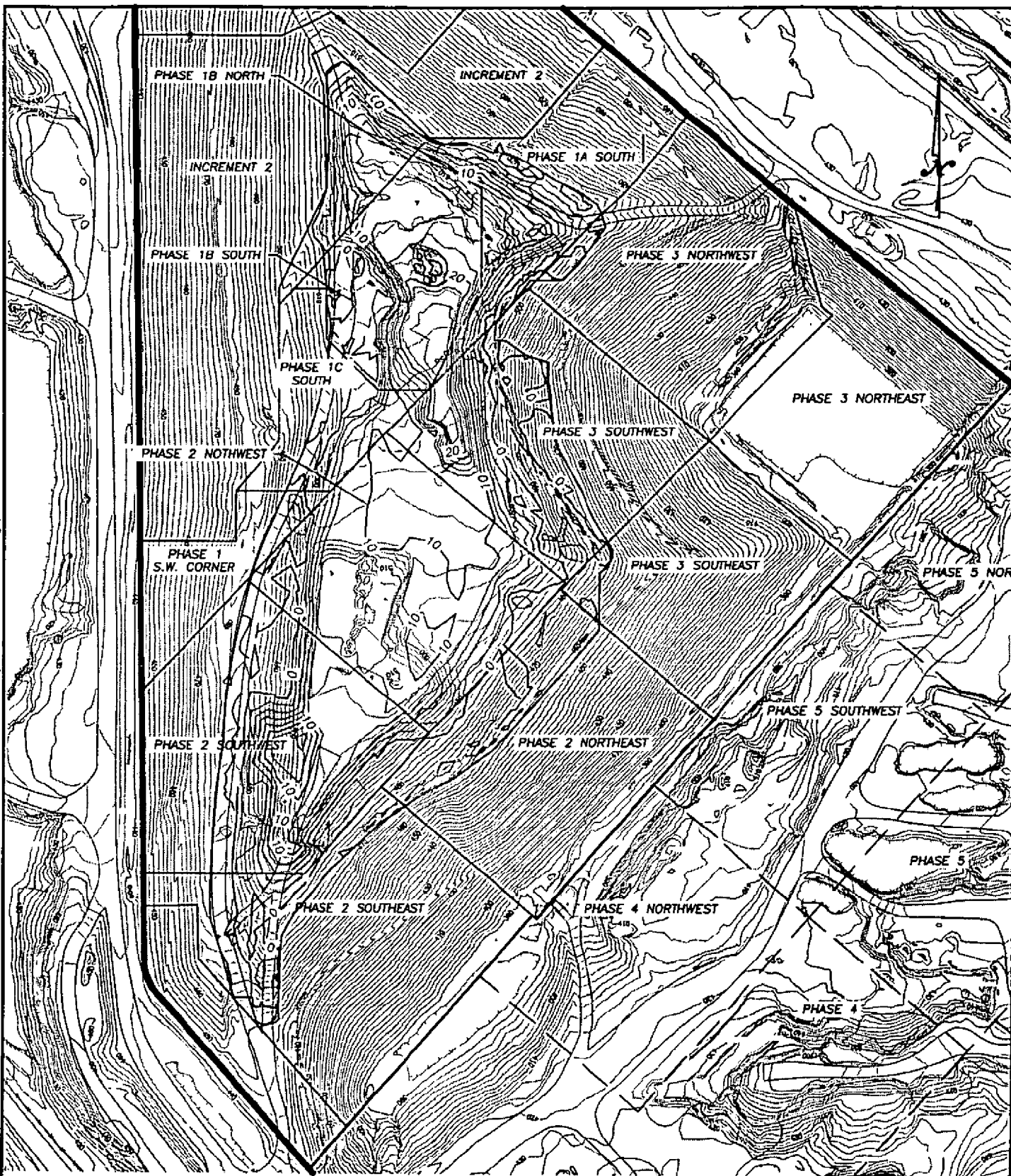
HURST-ROSCHE ENGINEERS, INC.



James W. Roth, PLS

JWR/jc

K:\Waste Management\Cottonwood Hills\Non-Project Drawings\2012 Volume Calc\QUARTERLY VOLUME CALC\1st QUARTER VOLUME\_COTTONWOOD.dwg April 5, 2012 10:48:13 am (jrl)



NET AIRSPACE CONSUMED BETWEEN DECEMBER 30, 2011 AND MARCH 30, 2012 - 177,300 CUBIC YARDS

BLUE LINES ARE 10' ISOPACH CONTOUR LINES.  
GREEN LINES ARE 2' ISOPACH CONTOUR LINES.  
SOLID CELL BOUNDARY INDICATES CELL HAS BEEN CONSTRUCTED.  
DASHED CELL BOUNDARY INDICATES CELL HAS NOT BEEN CONSTRUCTED.

### COTTONWOOD HILLS RDF - 2012 1ST QUARTER VOLUME CALCS

Project Mgr.	AJL	Drawn By	JRA	Designed By	JRA	Project No.	1775.18
Scale	1"=250'	Date	APRIL 2012	File Name	1st QUARTER VOLUME_COTTONWOOD.dwg	Figure No.	1